

# Suite of Integrated Radio Frequency Countermeasures (SIRFC)-AN/ALQ-211



## MISSION

Provide radar warning and electronic countermeasures against air defense threats.

## DESCRIPTION AND SPECIFICATIONS

The Suite of Integrated Radio Frequency Countermeasures (SIRFC)-AN/ALQ-211 detects, identifies, and counters multiple, simultaneous, modern surface and airborne threat radars. SIRFC combines both radar warning and electronic countermeasures (ECM), and also provides full-threat radar warning frequency coverage including millimeter wave, while countering pulse, pulse doppler, continuous wave, and pulse compression threats. Additionally, SIRFC provides active ECM including robust techniques against monopulse radars. The AN/ALQ-211 provides the aircrew with angle-of-arrival information and precision-direction finding of radio frequency threats. SIRFC is also capable of multi-sensor fusion and tactical situation assessment, enabling the aircrew to respond to the threat more quickly and appropriately. The AN/ALQ-211 is fully reprogrammable to meet specific mission requirements and can record threat data using Personal Computer Memory Card International Association (PCMCIA) cards. Finally, SIRFC will coordinate ECM responses with expendable countermeasures such as chaff or flares.

The AN/ALQ-211 SIRFC A kit weighs approximately 76 pounds and the SIRFC B kit weighs approximately 126 pounds in its current EMD configuration. The production model of the AN/ALQ-211 B Kit will weigh approximately 116 pounds.

## FOREIGN COUNTERPART

No known foreign counterpart

## FOREIGN MILITARY SALES

No new military sales

## PROGRAM STATUS

**4QFY98** Delivered first AN/ALQ-211 engineering and manufacturing development system.

**1QFY99** Completed system integration/installation on AH-64D.

**2QFY99** Accomplished first flight on AH-64D.

**3QFY99** Began pole test at China Lake.

Completed initial tests at the Edwards Air Force Base Benefield Anechoic Chamber.

Completed integrated electronic technical manual validation/verification.

**4QFY99** Completed initial key personnel training at Mesa, AZ.

Completed maintenance and logistics demonstration at Mesa, AZ.

Began contractor flight tests at China Lake Electronic Range.

## PROJECTED ACTIVITIES

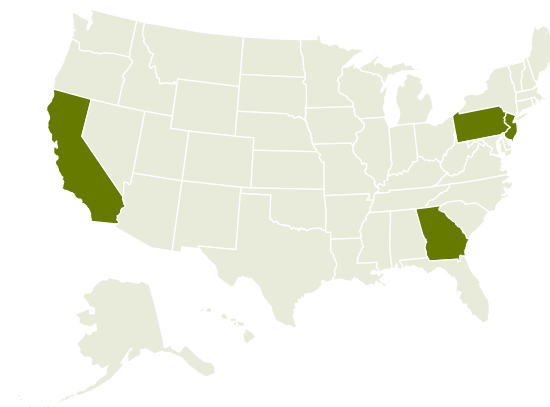
**3QFY00** Initiated SIRFC low-rate initial production.

**4QFY01** Milestone III decision scheduled.

**1QFY03** First unit equipped.

## PRIME CONTRACTORS

International Telephone and Telegraph (ITT) (Clifton, NJ)



\* See appendix for list of subcontractors

